

GenCore version 5.1.3  
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OM protein - protein search, using sw model

Run on: November 4, 2002, 01:59:50 ; Search time 15.2342 seconds  
(without alignments)  
710.747 Million cell updates/sec

Title: US-09-805-550-4

Perfect score: 1910  
Sequence: 1 MKLVKTLKGTHEIRVQPN.....CORNELANYLEHAGEED 368

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 08  
Maximum Match 1008  
Listing first 45 summaries

Database : Issued\_Patents\_AA:\*

1: /cgn2\_6/ptodata/1/1aa/5A.COMB.pep:\*\n2: /cgn2\_6/ptodata/1/1aa/5B.COMB.pep:\*\n3: /cgn2\_6/ptodata/1/1aa/5A.COMB.pep:\*\n4: /cgn2\_6/ptodata/1/1aa/5B.COMB.pep:\*\n5: /cgn2\_6/ptodata/1/1aa/PCITUS.COMB.pep:\*\n6: /cgn2\_6/ptodata/1/1aa/Backfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1910	100.0	368	US-09-413-574-4	Sequence 4, Appl1
2	900.5	47.1	405	US-09-413-574-2	Sequence 2, Appl1
3	182	9.5	79	US-09-100-802-4	Sequence 4, Appl1
4	164	8.6	81	US-09-100-802-5	Sequence 5, Appl1
5	154	8.1	915	US-08-480-917-2	Sequence 2, Appl1
6	154	8.1	915	US-09-138-736-2	Sequence 2, Appl1
7	154	8.1	915	US-08-988-242-2	Sequence 2, Appl1
8	133.5	7.0	1274	US-09-095-443-2	Sequence 2, Appl1
9	126.5	6.6	156	US-09-070-060-7	Sequence 7, Appl1
10	126.5	6.6	156	US-09-051-969A-3	Sequence 3, Appl1
11	126.5	6.6	156	US-09-051-969A-4	Sequence 4, Appl1
12	126.5	6.6	156	US-09-357-746-7	Sequence 7, Appl1
13	126.5	6.6	160	US-09-370-838-205	Sequence 205, App
14	126.5	6.6	229	US-08-726-306A-23	Sequence 23, Appl
15	126.5	6.6	229	US-08-840-146-20	Sequence 20, Appl
16	126.5	6.6	229	US-09-360-220-20	Sequence 20, Appl
17	126	6.6	2616	5206163-3	Patent No. 5206163
18	125.5	6.6	198	US-08-988-242-19	Sequence 19, Appl
19	125.5	6.6	352	US-08-854-764-2	Sequence 2, Appl1
20	125.5	6.6	352	PCT-US95-09377-2	Sequence 8, Appl1
21	123.5	6.5	76	US-08-817-787-8	Sequence 8, Appl1
22	122.5	6.4	76	US-09-070-060-8	Sequence 8, Appl1
23	122.5	6.4	76	US-09-357-746-8	Sequence 8, Appl1
24	122.5	6.4	76	US-08-817-787-1	Sequence 1, Appl1
25	122.5	6.4	76	US-09-100-802-1	Sequence 1, Appl1
26	122.5	6.4	76	US-09-331-930A-26	Sequence 26, Appl
27	122.5	6.4	103	US-08-771-201-9	Sequence 9, Appl1

28	122.5	6.4	114	2	US-08-771-201-10	Sequence 10, Appl
29	122.5	6.4	147	2	US-08-771-201-11	Sequence 11, Appl
30	121	6.3	1121	1	US-07-789-915A-2	Sequence 2, Appl1
31	121	6.3	1121	1	US-08-005-002C-2	Sequence 2, Appl1
32	121	6.3	1121	1	US-08-487-203A-2	Sequence 2, Appl1
33	119.5	6.3	323	2	US-08-747-788-2	Sequence 2, Appl1
34	119.5	6.3	323	4	US-09-300-681B-2	Sequence 2, Appl1
35	117.5	6.2	533	1	US-08-462-092-2	Sequence 2, Appl1
36	117.5	6.2	533	3	US-08-746-822-2	Sequence 2, Appl1
37	117.5	6.2	533	3	US-09-094-350-2	Sequence 2, Appl1
38	117.5	6.2	533	6	5510474-2	Patent No. 5510474
39	116	6.1	447	4	US-09-480-921B-6	Sequence 6, Appl1
40	115	6.0	158	4	US-09-091-725-25	Sequence 25, Appl
41	114.5	6.0	76	1	US-08-332-815-2	Sequence 2, Appl1
42	114.5	6.0	76	1	US-08-350-906-2	Sequence 2, Appl1
43	114.5	6.0	76	5	PCT-US95-04536-2	Sequence 2, Appl1
44	114.5	6.0	78	4	US-09-482-611B-102	Sequence 102, App
45	114.5	6.0	101	4	US-09-482-611B-101	Sequence 101, App

## ALIGNMENTS

RESULT 1									
US-09-413-574-4									
; Sequence 4, Application US/09413574									
; Patent No. 6235972									
; GENERAL INFORMATION:									
; APPLICANT: Mahajan, Pramod B.									
; TITLE OF INVENTION: Maize Rad23 Genes and Uses Thereof									
; FILE REFERENCE: 0964									
; CURRENT APPLICATION NUMBER: US/09/413,574									
; CURRENT FILING DATE: 1999-10-06									
; EARLIER APPLICATION NUMBER: 60/109,728									
; EARLIER FILING DATE: 1998-11-23									
; NUMBER OF SEQ ID NOS: 5									
; SOFTWARE: FastSeq for Windows Version 3.0									
; SEQ ID NO 4									
; LENGTH: 368									
; TYPE: PRT									
; ORGANISM: Zea mays									
US-09-413-574-4									
Query Match									
Best Local Similarity 100.0%; Score 1910; DB 4; Length 368;									
Matches 368; Conservative 0; Mismatches 0; Indels 0; Gaps 0;									
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DB	1	MKLVKTLKGTHEIRVQPN	DTIMAVKKNIEIOGKDSYPMGOOLLIFNGKVKLDESTLE	60					
QY	61	ENKVNEDGFLVWMSKKTSGTSSOHSNTPATQAPLEPQAPPPAPITTSQ	120						
DB	61	ENKVNEDGFLVWMSKKTSGTSSOHSNTPATQAPLEPQAPPPAPITTSQ	120						
QY	121	PEGLPAQAPVTHDNASNLISGRVDTIIINQLEMWGGSDKDKVORALRAAVNNPRAV	180						
DB	121	PEGLPAQAPVTHDNASNLISGRVDTIIINQLEMWGGSDKDKVORALRAAVNNPRAV	180						
QY	181	EYLSGIPVTAETIAVPIGGOGANTTDRAPTGEGAGLSIPTAPLDFPQASNAGGAGG	240						
DB	181	EYLSGIPVTAETIAVPIGGOGANTTDRAPTGEGAGLSIPTAPLDFPQASNAGGAGG	240						
QY	241	GPLDFLRNNPOFOAVRKMVHTNPIQIOPMLVEISKOPQILRIENHDFLOLNPEFE	300						
DB	241	GPLDFLRNNPOFOAVRKMVHTNPIQIOPMLVEISKOPQILRIENHDFLOLNPEFE	300						
QY	301	GGEDFLDQPEDEDEMPAIVTPEDEAIGRLISMGRARAVIEAFLACDRNEELAAAYL	360						
DB	301	GGEDFLDQPEDEDEMPAIVTPEDEAIGRLISMGRARAVIEAFLACDRNEELAAAYL	360						
QY	361	LEHAGEED	368						

Db 361 LEHAGED 368

## RESULT 2

US-09-413-574-2

Sequence 2, Application US/09413574  
Patent No. 6235972  
GENERAL INFORMATION:  
APPLICANT: Mahajan, Pramod B.  
APPLICANT: Tagliani, Laura  
TITLE OF INVENTION: Maize Rad23 Genes and Uses Thereof  
FILE REFERENCE: 0964  
CURRENT FILING DATE: US/09/413,574  
EARLIER FILING DATE: 1999-10-06  
EARLIER APPLICATION NUMBER: 60/109,728  
NUMBER OF SEQ ID NOS: 5  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 2  
LENGTH: 405  
TYPE: PRT  
ORGANISM: Zea mays  
US-09-413-574-2

Query Match 47.1%, Score 900.5; DB 4; Length 405;  
Best Local Similarity 49.0%, Pred. No. 5.4e-73;  
Matches 197; Conservative 53; Mismatches 117; Indels 35; Gaps 7;

QY 1 MKLVTKLGTGHEIRVQPNPTIMAVKKNIETIGKDSYPMGQOLLFNGKVLKDESTLE 60  
1 MKLVTKLGTGHEIRVQPNPTIMAVKKNIETIGKDSYPMGQOLLFNGKVLKDESTLE 60  
DB 1 MKLVTKLGTGHEIRVQPNPTIMAVKKNIETIGKDSYPMGQOLLFNGKVLKDESTLE 60  
QY 61 ENKVEDGFLVYMLSKGTSGSTGSSQHSNTPTATQAP-----PLEAPQAP-QPVA 114  
61 ENKVEDGFLVYMLSKGTSGSTGSSQHSNTPTATQAP-----PLEAPQAP-QPVA 114  
DB 61 ENKVEDGFLVYMLSKGTSGSTGSSQHSNTPTATQAP-----PLEAPQAP-QPVA 114  
QY 115 PTTSGPGLPQAP-----NTHDMAASNLISGRVDTITNOLMENGSGSMDK 164  
115 PTTSGPGLPQAP-----NTHDMAASNLISGRVDTITNOLMENGSGSMDK 164  
DB 120 TAEVAPSPVQPAAPAAVATDADVYSQAASNLVFGNNLEQITIQILDMGGTWERDT 179  
120 TAEVAPSPVQPAAPAAVATDADVYSQAASNLVFGNNLEQITIQILDMGGTWERDT 179  
QY 165 VORALRAVNNPERAVERLEYSGIPVTA-----IAVIGGOGANTDRAPTGEA----- 213  
165 VORALRAVNNPERAVERLEYSGIPVTA-----IAVIGGOGANTDRAPTGEA----- 213  
DB 180 VYRALRAVNNPERAVERLEYSGIPVTA-----IAVIGGOGANTDRAPTGEA----- 213  
180 VYRALRAVNNPERAVERLEYSGIPVTA-----IAVIGGOGANTDRAPTGEA----- 213  
QY 214 -GLSGIPTAPLDPQAGSNAAG-----GAGGGLDPLFRNNPQFAVREKVTNPQIL 266  
214 -GLSGIPTAPLDPQAGSNAAG-----GAGGGLDPLFRNNPQFAVREKVTNPQIL 266  
DB 240 SPASGPMANPLNLEPQGVPSGSGSNPVVPGAGSALDALRQLPQFQALLQVQANPQIL 299  
240 SPASGPMANPLNLEPQGVPSGSGSNPVVPGAGSALDALRQLPQFQALLQVQANPQIL 299  
QY 267 QPMVELSKONPQILRLIEENHDEFLLQINPEEGEGEDFLDQPEDEMPHAIYSTPEEQ 326  
267 QPMVELSKONPQILRLIEENHDEFLLQINPEEGEGEDFLDQPEDEMPHAIYSTPEEQ 326  
DB 300 QPMVELSKONPQILRLIEENHDEFLLQINPEEGEGEDFLDQPEDEMPHAIYSTPEEQ 359  
300 QPMVELSKONPQILRLIEENHDEFLLQINPEEGEGEDFLDQPEDEMPHAIYSTPEEQ 359  
QY 327 PAIGRLSMPDRARVIAFLACDRNEELAAVYLEHAGED 368  
327 PAIGRLSMPDRARVIAFLACDRNEELAAVYLEHAGED 368  
DB 360 PAIGRLSMPDRARVIAFLACDRNEELAAVYLEHAGED 401  
360 PAIGRLSMPDRARVIAFLACDRNEELAAVYLEHAGED 401

## RESULT 3

US-09-100-802-4

Sequence 4, Application US/09100802A  
Patent No. 6294363  
GENERAL INFORMATION:  
APPLICANT: Madura, Kiran  
APPLICANT: Madhavan, Kiran  
TITLE OF INVENTION: Methods and Compositions for the Rapid  
TITLE OF INVENTION: Purification of Proteasomes and Methods of Use of Components  
FILE REFERENCE: UMDN97-11  
CURRENT FILING DATE: US/09/100,802A  
EARLIER FILING DATE: 1998-06-19  
EARLIER APPLICATION NUMBER: 60/050,171  
NUMBER OF SEQ ID NOS: 17

SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 4  
LENGTH: 79  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Synthetic Sequence  
US-09-100-802-4

Query Match 9.5%, Score 182; DB 4; Length 79;  
Best Local Similarity 43.6%, Pred. No. 2.2e-09;  
Matches 34; Conservative 23; Mismatches 21; Indels 0; Gaps 0;

QY 1 MKLVTKLGTGHEIRVQPNPTIMAVKKNIETIGKDSYPMGQOLLFNGKVLKDESTLE 60  
1 MKLVTKLGTGHEIRVQPNPTIMAVKKNIETIGKDSYPMGQOLLFNGKVLKDESTLE 60  
DB 1 MKLVTKLGTGHEIRVQPNPTIMAVKKNIETIGKDSYPMGQOLLFNGKVLKDESTLE 60  
QY 61 ENKVEDGFLVYMLSKGTSGSTGSSQHSNTPTATQAP-----PLEAPQAP-QPVA 114  
61 ENKVEDGFLVYMLSKGTSGSTGSSQHSNTPTATQAP-----PLEAPQAP-QPVA 114  
DB 61 ENKVEDGFLVYMLSKGTSGSTGSSQHSNTPTATQAP-----PLEAPQAP-QPVA 114

## RESULT 4

US-09-100-802-5

Sequence 5, Application US/09100802A  
Patent No. 6294363  
GENERAL INFORMATION:  
APPLICANT: Madura, Kiran  
APPLICANT: Madhavan, Kiran  
TITLE OF INVENTION: Methods and Compositions for the Rapid  
TITLE OF INVENTION: Purification of Proteasomes and Methods of Use of Components  
FILE REFERENCE: UMDN97-11  
CURRENT FILING DATE: US/09/100,802A  
EARLIER FILING DATE: 1998-06-19  
EARLIER APPLICATION NUMBER: 60/050,171  
NUMBER OF SEQ ID NOS: 17  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 5  
LENGTH: 81  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Synthetic Sequence  
US-09-100-802-5

Query Match 8.6%, Score 164; DB 4; Length 81;  
Best Local Similarity 38.2%, Pred. No. 9.7e-08;  
Matches 29; Conservative 26; Mismatches 21; Indels 0; Gaps 0;

QY 3 LTVKTLGTGHEIRVQPNPTIMAVKKNIETIGKDSYPMGQOLLFNGKVLKDESTLEEN 62  
3 LTVKTLGTGHEIRVQPNPTIMAVKKNIETIGKDSYPMGQOLLFNGKVLKDESTLEEN 62  
DB 5 LTVKTLGTGHEIRVQPNPTIMAVKKNIETIGKDSYPMGQOLLFNGKVLKDESTLEEN 64  
5 LTVKTLGTGHEIRVQPNPTIMAVKKNIETIGKDSYPMGQOLLFNGKVLKDESTLEEN 64  
QY 63 KVNEDGFLVYMLSKGTSGSTGSSQHSNTPTATQAP-----PLEAPQAP-QPVA 114  
63 KVNEDGFLVYMLSKGTSGSTGSSQHSNTPTATQAP-----PLEAPQAP-QPVA 114  
DB 65 KVNEDGFLVYMLSKGTSGSTGSSQHSNTPTATQAP-----PLEAPQAP-QPVA 114  
65 KVNEDGFLVYMLSKGTSGSTGSSQHSNTPTATQAP-----PLEAPQAP-QPVA 114

## RESULT 5

US-08-480-917-2

Sequence 2, Application US/08480917  
Patent No. 5820864  
GENERAL INFORMATION:  
APPLICANT: PARANHOS-BACCALA, Glaucia  
APPLICANT: LESNECHAL, Mylene  
APPLICANT: JOLIVET, Michel  
TITLE OF INVENTION: NEW TRYPAOSOMA CRUZI ANTIGEN, AND GENE  
TITLE OF INVENTION: ENCODING THE LATTER: THEIR APPLICATION TO THE DETECTION OF  
NUMBER OF SEQUENCES: 13  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Oliff & Berridge

STREET: 700 South Washington Street, Suite 300  
CITY: Alexandria  
STATE: Virginia  
COUNTRY: U.S.A.  
ZIP: 22314  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentln Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/480,917  
FILING DATE: 07-JUN-1995  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Berridge, William P.  
REGISTRATION NUMBER: 30,024  
REFERENCE/DOCKET NUMBER: WPB 36400  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-836-6400  
TELEFAX: 703-836-2787  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 915 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: other nucleic acid  
DESCRIPTION: /desc = "protein"  
US-08-480-917-2

Query Match 8.1%; Score 154; DB 2; Length 915;  
Best Local Similarity 22.9%; Pred. No. 2.8e-05;

Matches 56; Conservative 43; Mismatches 126; Indels 20; Gaps 6;

QY 57 STLEENKVNEDGFLVWMLSGKTSCTSSSHSNTPATQAPPLPQAPQAPPPVAPI 116  
DB 356 SRREBOQPGQTSVATAPKPCVSSGTDASSSHNTTSAASAASPPASAPAKAAP- 414  
QY 117 TTSQEGFLPAQAPPTHDAASNLISGRNVDITINQLEMGGSGMDKQVQALAAAYNP 176  
DB 415 ----PAARSAEPHVSKITIANLVNOIGINTVORSVSTGAPATRR---STAIVSTTTAP 467  
QY 177 ERAVEYLSGIPVTAELAVPIGGOGANTTDRA---PTGEAGLSGIPNTAPLDLPQGASN 233  
DB 468 QRTSPYGNRPVYAGLVAAANSASPTAAKPTGEERASACETSSVAINATRPAL 527  
QY 234 AGGAGGCPDLFLNNPOFQAVREKVTNPOIILQPMVELSKONPOIIRL----IEENHD 289  
DB 528 HNASLPQAPTDGVLAAAVYQSEGE-VHOSLERLESVITNTRSR---VLKILPDTIRRDHE 582  
QY 290 EFLQI 294  
DB 583 QLNLI 587

RESULT 6

US-09-138-736-2

; Sequence 2, Application US/09138736

; Patent No. 6270767

; GENERAL INFORMATION:

; APPLICANT: PARANHOS-BACCALA, GLAUCIA

; APPLICANT: LESENECHAL, MYLENE

; APPLICANT: JOLIVET, MICHEL

; TITLE OF INVENTION: NEW TRYPAZOSOMA CRUZI ANTIGEN, AND GENE

; TITLE OF INVENTION: ENCODING THE LATTER, THEIR APPLICATION TO THE DETECTION OF

; NUMBER OF SEQUENCES: 13

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Oliff & Berridge

; STREET: 700 South Washington Street, Suite 300

; CITY: Alexandria

; STATE: Virginia

COUNTRY: U.S.A.  
ZIP: 22314  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentln Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/138,736  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/480,917  
FILING DATE: 07-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Berridge, William P.  
REGISTRATION NUMBER: 30,024  
REFERENCE/DOCKET NUMBER: WPB 36400  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-836-6400  
TELEFAX: 703-836-2787  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 915 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: other nucleic acid  
DESCRIPTION: /desc = "protein"  
US-09-138-736-2

Query Match 8.1%; Score 154; DB 4; Length 915;  
Best Local Similarity 22.9%; Pred. No. 2.8e-05;

Matches 56; Conservative 43; Mismatches 126; Indels 20; Gaps 6;

QY 57 STLEENKVNEDGFLVWMLSGKTSCTSSSHSNTPATQAPPLPQAPQAPPPVAPI 116  
DB 356 SRREBOQPGQTSVATAPKPCVSSGTDASSSHNTTSAASAASPPASAPAKAAP- 414  
QY 117 TTSQEGFLPAQAPPTHDAASNLISGRNVDITINQLEMGGSGMDKQVQALAAAYNP 176  
DB 415 ----PAARSAEPHVSKITIANLVNOIGINTVORSVSTGAPATRR---STAIVSTTTAP 467  
QY 177 ERAVEYLSGIPVTAELAVPIGGOGANTTDRA---PTGEAGLSGIPNTAPLDLPQGASN 233  
DB 468 QRTSPYGNRPVYAGLVAAANSASPTAAKPTGEERASACETSSVAINATRPAL 527  
QY 234 AGGAGGCPDLFLNNPOFQAVREKVTNPOIILQPMVELSKONPOIIRL----IEENHD 289  
DB 528 HNASLPQAPTDGVLAAAVYQSEGE-VHOSLERLESVITNTRSR---VLKILPDTIRRDHE 582  
QY 290 EFLQI 294  
DB 583 QLNLI 587

RESULT 7

US-08-988-242-2

; Sequence 2, Application US/08988242

; Patent No. 6403103

; GENERAL INFORMATION:

; APPLICANT: PARANHOS-BACCALA, GLAUCIA

; APPLICANT: LESENECHAL, MYLENE

; APPLICANT: JOLIVET, MICHEL

; APPLICANT: MANDRAND, BERNARD

; TITLE OF INVENTION: NEW TRYPAZOSOMA CRUZI ANTIGEN, GENE

; TITLE OF INVENTION: ENCODING THEREFOR, AND METHODS OF DETECTING AND TREATING

; NUMBER OF SEQUENCES: 19

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Oliff & Berridge, PLC

; STREET: P.O. BOX 19928

; CITY: Alexandria

```
STATE: Virginia
COUNTRY: U.S.A.
ZIP: 22320
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/988,242
FILING DATE: 10-DEC-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Bettidge, William P.
REGISTRATION NUMBER: 30,024
REFERENCE/DOCKET NUMBER: WPA 36400A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6400
TELEFAX: 703-836-2787
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 915 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE:
DESCRIPTION: /desc = "protein"
US-08-988-242-2

Query Match      8.1%; Score 154; DB 4; Length 915;
Best Local Similarity 22.9%; Pred. No. 2.8e-05;
Matches 56; Conservative 43; Mismatches 126; Indels 20; Gaps 6;

QY 57 STLEKNKVEDGLVYMLSKGTSGTSSQSHNTPATRQAPLEAPQAPQAPVAP 116
DB 356 SREBQPOQKTSVATAPKGCSSGTDASSHTTTAALASAPSPVSAAPAKAAP 414
QY 117 TTSQPGLEPAQAPNTHDNASNLISGRNVDTIINQLEMKGGSWDKQVQALRAAYNMP 176
DB 415 ---PAAASAEHPVSGKIIANLVNQLGINVORSVSTGAPATWR---STAATSTTAP 467
QY 177 ERAVELYSGIVTAETAINPVGSGGANTDRA---PTGEAGISGINTAPLDLFPQGAN 233
DB 468 QRTSPYGHNGRPVTAQLVANSGASASPTAAKPTGEEKASACETSSVALNATPAPL 537
QY 234 AGGAGGGLDPLFRNNPQOAVREMYHTNPQILQPMVLVELSKONPOLRL---IEENHD 289
DB 528 HNASLPQAPTDGVLAAVYQSEGE-VHOSLERLESYITMTR---VTLPLPTIRRDHE 582
QY 290 EPLQL 294
DB 583 QLNL 587

RESULT 8
US-09-095-443-2
; Sequence 2, Application US/09095443
; Patent No. 6342593
; GENERAL INFORMATION:
; APPLICANT: Plovman, Gregory
; APPLICANT: Peles, Elor
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT
; TITLE OF INVENTION: OF ALP RELATED DISORDERS
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fitch Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
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MEDIUM TYPE: 3.5" Diskette, 1.44 MB
MEDIUM TYPE: Storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSeq for Windows 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/095,443
FILING DATE: Herewith
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/049,477
FILING DATE: June 12, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 235/055
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1274 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-095-443-2

Query Match      7.0%; Score 133.5; DB 4; Length 1274;
Best Local Similarity 25.3%; Pred. No. 0.0032;
Matches 85; Conservative 26; Mismatches 108; Indels 117; Gaps 17;

QY 86 SSSQSHNTPATRQAP-----PLEAPQA--POPPVAPITTSQPEGLEPAQAP-----NTN 132
DB 577 SSGITPFPAPRIGPPOQHNPQHPQSQARQPQPLDQHPHLEFPQAPGLPPQSYR 636
QY 133 DNAASNLISGRNVDTIINQLEMKGGSWDKQVQALRAAYNMP-----AVEYLY 184
DB 637 PVAPQGVILGQPPPLHTQL-----YGPADDPAPASGALPFPS 676
QY 185 SGIPV-----TAEIAPVIGGQANTTDRAPTGEAGLSGIPNTAPLDLFPQGSNNG 235
DB 677 PGPPQHPHPLAYGPAPSTRPMGPQAPLTIKPPS--SAGOS---TPSPHLVSPAPSPG 731
QY 236 GC-----AGGGLDPLFRNNPQOAVREMYHTNPQ-----ILOPMLYE 272
DB 732 PGVPPRPRAAEPPLRLKRAAAILSSPESQ-----HGTSPPGGGQPLDPTKYD 785
QY 273 LSK-QNPQILRIEEN---HDEFLQLN---EPEFEGEGD-----FLDQPEDEM 315
DB 786 AAGRRPQALRIERDYPYHPERLQLOELFAFGQLDVGALDTVMRELDAQGHAR 845
QY 316 PHAISTYPEREQAIGRLS-----MGFDARVI 343
DB 846 GRSI-----AIARCYSLKRNHODVMPYDSNRVY 873

RESULT 9
US-09-070-060-7
; Sequence 7, Application US/09070060
; Patent No. 5976849
; GENERAL INFORMATION:
; APPLICANT: Hustad, Carolyn M.
; APPLICANT: Childyal, Namit
; TITLE OF INVENTION: Human E3 Ubiquitin Protein
; TITLE OF INVENTION: Ligase
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ZENeca Pharmaceuticals, Inc.
; STREET: 1800 Concord Pike
; CITY: Wilmington
; STATE: DE
```

COUNTRY: USA  
ZIP: 19850-5437  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/070,060  
FILING DATE: 30-APR-1998  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/073,839  
FILING DATE: 05-FEB-1998  
ATTORNEY/AGENT INFORMATION:  
NAME: Higgins, Patrick H  
REGISTRATION NUMBER: 39,709  
REFERENCE/DOCKET NUMBER: PHM.70312  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 302.886.4889  
TELEFAX: 302.886.8221  
TELEX:  
INFORMATION FOR SEQ ID NO: 7:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 156 amino acids  
TYPE: amino acid  
STRANDEDNESS: unknown  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide  
US-09-070-060-7

Query Match 6.6%; Score 126.5; DB 2; Length 156;  
Best Local Similarity 35.4%; Pred. No. 0.00061;  
Matches 34; Conservative 16; Mismatches 37; Indels 9; Gaps 2;

QY 1 MKLTVKTLKGTHTFEIRVQNDTIMAVKKNIEIGKDSYPMGQOLLIFNGKVLKDESTILE 60  
DB 1 MQIFVKLTGKTTITLEVPSDTIENVK--AKIDKEGIPPDQRLIFAGKQLDEGRILS 57  
QY 61 ENKYNEDGFLVYML-----SKGTSGSTGTSSSOH 90  
DB 58 DYNIOKESTLHLVLRNGAKRRKKSYTTPKKKKH 93

RESULT 10  
US-09-051-969A-3  
Sequence 3, Application US/09051969A  
GENERAL INFORMATION:  
APPLICANT: ENENKEL, BARBARA  
APPLICANT: GANNON, FRANK  
APPLICANT: BERGEMANN, KLAUS  
APPLICANT: NOE, WOLFGANG  
TITLE OF INVENTION: INTENSIVE HOMOLOGOUS PROMOTER OBTAINED  
TITLE OF INVENTION: FROM HAMSTERS  
NUMBER OF SEQUENCES: 8  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: STERN, KESSLER, GOLDSTEIN & FOX P.L.L.C.  
STREET: 1100 NEW YORK AVENUE, SUITE 600  
CITY: WASHINGTON  
STATE: DC  
COUNTRY: USA  
ZIP: 20005  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/051,969A  
FILING DATE: 1998-09-30  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:

NAME: FLESHNER, RAZ E.  
REGISTRATION NUMBER: 34,331  
REFERENCE/DOCKET NUMBER: 0652.1690000  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-371-2600  
TELEFAX: 202-371-2540  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 156 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-051-969A-3

Query Match 6.6%; Score 126.5; DB 3; Length 156;  
Best Local Similarity 35.4%; Pred. No. 0.00061;  
Matches 34; Conservative 16; Mismatches 37; Indels 9; Gaps 2;

QY 1 MKLTVKTLKGTHTFEIRVQNDTIMAVKKNIEIGKDSYPMGQOLLIFNGKVLKDESTILE 60  
DB 1 MQIFVKLTGKTTITLEVPSDTIENVK--AKIDKEGIPPDQRLIFAGKQLDEGRILS 57  
QY 61 ENKYNEDGFLVYML-----SKGTSGSTGTSSSOH 90  
DB 58 DYNIOKESTLHLVLRNGAKRRKKSYTTPKKKKH 93

RESULT 11  
US-09-051-969A-4  
Sequence 4, Application US/09051969A  
GENERAL INFORMATION:  
APPLICANT: ENENKEL, BARBARA  
APPLICANT: GANNON, FRANK  
APPLICANT: BERGEMANN, KLAUS  
APPLICANT: NOE, WOLFGANG  
TITLE OF INVENTION: INTENSIVE HOMOLOGOUS PROMOTER OBTAINED  
TITLE OF INVENTION: FROM HAMSTERS  
NUMBER OF SEQUENCES: 8  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: STERN, KESSLER, GOLDSTEIN & FOX P.L.L.C.  
STREET: 1100 NEW YORK AVENUE, SUITE 600  
CITY: WASHINGTON  
STATE: DC  
COUNTRY: USA  
ZIP: 20005  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/051,969A  
FILING DATE: 1998-09-30  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: FLESHNER, RAZ E.  
REGISTRATION NUMBER: 34,331  
REFERENCE/DOCKET NUMBER: 0652.1690000  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-371-2600  
TELEFAX: 202-371-2540  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 156 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-051-969A-4

Query Match 6.6%; Score 126.5; DB 3; Length 156;



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; Sequence 20, Application US/08840146
; Patent No. 6037173
; GENERAL INFORMATION:
; APPLICANT: Glucksmann, M. Alexandra
; TITLE OF INVENTION: THERAPEUTIC COMPOSITIONS AND METHODS AND
; TITLE OF INVENTION: DIAGNOSTIC ASSAYS FOR DISEASES INVOLVING TRBP
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FOLEY, HOAG & ELLIOT LLP
; STREET: One Post Office Square
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109-2170
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/840,146
; FILING DATE: 11-APR-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Arnold, Beth E.
; REGISTRATION NUMBER: 35,430
; REFERENCE/DOCKET NUMBER: MIA-018.01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-832-1000
; TELEFAX: 617-832-7000
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 229 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-840-146-20

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Query Match          6.6%; Score 126.5; DB 3; Length 229;
Best Local Similarity 38.6%; Pred. No. 0.0011;
Matches 39; Conservative 16; Mismatches 35; Indels 11; Gaps 4;

QY 1 MKLTVTKLTGTHFEIRVQPNDTIMAVKKNIEIIGKDSYPMGQQLIFNGKVLKDESTLE 60
   |::||| |::||| |::||| |::||| |::||| |::||| |::||| |::||| |::|||
Db 1 MQIFVKITLTGKTTILEVEPSDIENVK--AKIQDKEGIPPDQQLIFAGKQLEDGRRLS 57
   |::||| |::||| |::||| |::||| |::||| |::||| |::||| |::||| |::|||

QY 61 ENKYNEDG--FLVYMLSKG-----KT--SGSTGTSSSQHSNT 93
   |::||| |::||| |::||| |::||| |::||| |::||| |::||| |::||| |::|||
Db 58 DYNIQESTLHLVLRGGMQIFVKITLTGKTTILEVEPSDT 98
   |::||| |::||| |::||| |::||| |::||| |::||| |::||| |::||| |::|||

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Search completed: November 4, 2002, 02:04:49  
 Job time : 18.2342 secs

